



PFW

Attorney Docket No. YOR920040025US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): A.K. Iyengar et al.
Docket No.: YOR920040025US1
Serial No.: 10/804,516
Filing Date: March 19, 2004
Group: 2661
Examiner: To Be Assigned

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature: *V. Benicovich* Date: March 1, 2005

Title: Method and Apparatus for Dynamically Scheduling Requests

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

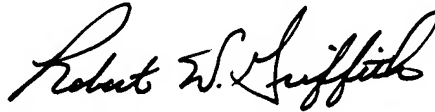
Sir:

Submitted herewith are the following documents relating to the above-identified patent application:

- (1) Request for Correction of Inventorship Under 37 C.F.R. §1.48(a);
- (2) Declaration of Mor Harchol-Balter Pursuant to a Request for Correction of Inventorship Under 37 C.F.R. §1.48(a);
- (3) Written Consent of Assignee;
- (4) Statement Under 37 C.F.R. 3.73(b);
- (5) Letter of Authority;
- (6) Copies of previously filed Assignment documents (2) and newly-executed Assignment documents (4); and
- (7) Amended Declaration and Power of Attorney documents (4).

There is no additional fee due in conjunction with the response. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **International Business Machines Corporation Deposit Account No. 50-0510** as required to correct the error.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Robert W. Griffith". The signature is fluid and cursive, with the first name "Robert" being more prominent.

Date: March 1, 2005

Robert W. Griffith
Attorney for Applicant(s)
Reg. No. 48,956
Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, NY 11560
(516) 759-4547



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Patent Application

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Serial No.: 10/804,516
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Examiner: To Be Assigned

Title: Method and Apparatus for Dynamically Scheduling Requests

REQUEST FOR CORRECTION OF INVENTORSHIP UNDER 37 C.F.R. §1.48(a)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.48(a), Applicants hereby request amendment of the above-identified application to correct the inventorship by including the following inventor:

Mor Harchol-Balter
5801 Northumberland Street
Pittsburgh, PA 15217

The above-identified application is being amended to include Mor Harchol-Balter as co-inventor with Arun Kwangil Iyengar, Erich M. Nahum and Bianca Schroeder, the inventors at the time the application was filed in the United States Patent and Trademark Office on March 19, 2004.

03/08/2005 RFEKADU1 00000019 500510 10804516

01 FC:1464 130.00 DA

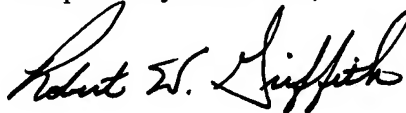
The exclusion of Mor Harchol-Balter as a co-inventor was through error without any deceptive intention on the part of Mor Harchol-Balter. Included herewith is a Declaration pursuant to 37 C.F.R. §1.48(a) by Ms. Harchol-Balter stating that it was error to exclude her as an inventor of the invention claimed in the application and that the error occurred without deceptive intent on her part.

As required under 37 C.F.R. §1.48(a), submitted herewith are the following attached documents:

1. Declaration of Mor Harchol-Balter Pursuant to a Request for Correction of Inventorship Under 37 C.F.R. §1.48(a) (Attachment A);
2. Written Consent of the Assignee to correct inventorship (Attachment B), along with a Statement Under 37 C.F.R. 3.73(b), a Letter of Authority, copies of previously filed Assignment documents (2) and newly-executed Assignment documents (4) executed by the inventors; and
3. Amended Declaration & Power of Attorney documents (4) (Attachment C).

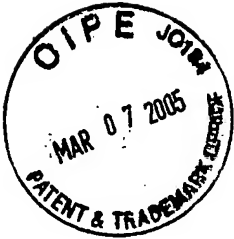
The Commissioner is hereby authorized to charge **International Business Machines Corporation Deposit Account No. 50-0510** the amount of \$130 in payment of the fee in this matter as specified under 37 C.F.R. 1.17(i). In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0510** as required to correct the error. A duplicate copy of this letter is enclosed.

Respectfully submitted,



Robert W. Griffith
Attorney for Applicant(s)
Reg. No. 48,956
Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, NY 11560
(516) 759-4547

Date: March 1, 2005



Attorney Docket No. YOR920040025US1

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Patent Application

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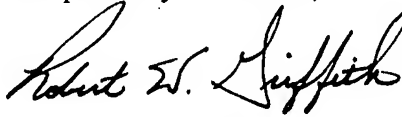
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Reg. No. 48,956
Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, NY 11560
(516) 759-4547

Date: March 1, 2005



Attachment A

**DECLARATION OF MOR HARCHOL-BALTER PURSUANT TO A REQUEST
FOR CORRECTION OF INVENTORSHIP UNDER 37 C.F.R. §1.48(a)**



Attorney Docket No. YOR920040025US1

ATTACHMENT A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): A.K. Iyengar et al.
Docket No.: YOR920040025US1
Serial No.: 10/804,516
Filing Date: March 19, 2004
Group: 2661
Examiner: To Be Assigned

Title: Method and Apparatus for Dynamically Scheduling Requests

**DECLARATION OF MOR HARCHOL-BALTER PURSUANT TO A REQUEST
FOR CORRECTION OF INVENTORSHIP UNDER 37 C.F.R. §1.48(a)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Mor Harchol-Balter, declare that it was error to exclude me as an inventor of the invention claimed in above-identified application, and that the error in excluding me as an inventor arose without any deceptive intention on my part.

I hereby declare that all statements made herein of my own knowledge are true; and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: February 16, 2005

By: Mor Harchol-Balter
Mor Harchol-Balter

Attachment B

**Written Consent of the Assignee
Statement Under 37 C.F.R. 3.73(b)**

Letter of Authority

**Copies of Assignment documents (2) previously filed
and newly-executed Assignment documents (4)**



Attorney Docket No. YOR920040025US1

ATTACHMENT B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): A.K. Iyengar et al.
Docket No.: YOR920040025US1
Serial No.: 10/804,516
Filing Date: March 19, 2004
Group: 2661
Examiner: To Be Assigned

Title: Method and Apparatus for Dynamically Scheduling Requests

WRITTEN CONSENT OF THE ASSIGNEE

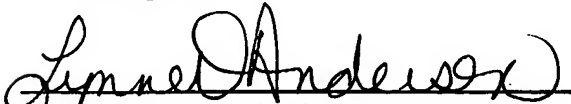
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

IBM, a New York Corporation with headquarters located at Armonk, New York, is the assignee of the entire right, title and interest in the above-identified application by virtue of the assignments filed on June 7, 2004, copies of which are attached hereto.

IBM assents to the correction of inventorship filed herewith.

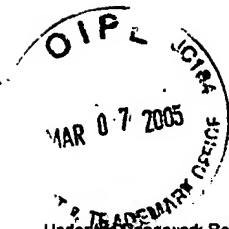
I, Lynne D. Anderson, signing below aver that I am empowered to sign this statement on behalf of the assignee.


Signature of authorized person

Date: 2-15-05

Lynne D. Anderson
Type or Print name of authorized person

Program Manager,
Patent Office Liaison
Title of authorized person



STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: A.K. Iyengar et al.

Application No./Patent No.: 10/804,516

Filed/Issue Date: March 19, 2004

Entitled: METHOD AND APPARATUS FOR DYNAMICALLY SCHEDULING REQUESTS

International Business Machines Corporation, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011537, Frame 0234, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

2-15-05

Date

Lynne D. Anderson

Typed or printed name

Lynne D. Anderson
Signature

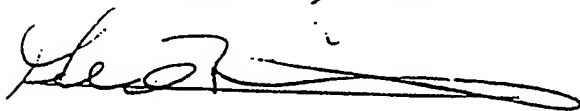
Program Manager, Patent Office Liaison

Title

LETTER OF AUTHORITY

I, Gerald Rosenthal, Vice President, Intellectual Property and Licensing of International Business Machines Corporation (IBM), a New York corporation, do hereby delegate the authority to approve and execute documents on behalf of IBM relating to proceedings in the Patent, Trademark Registration or Copyright Offices servicing any country or region of the world, or to related appeal proceedings, including, but not limited to: petitions; powers of Attorney; authorizations; verification; nominations of representatives; declarations; documents relating to maintenance and defense of the resulting industrial property rights; assignments of rights to apply for and acquire patents and trademark registrations; and evidence of such assignments; requests for the registration of patents as available for licensing; reports of inventions and petitions for waiver of patent rights to any department or agency of the United States Government; and, assignments, licenses and other instruments confirmatory of Government rights in patents and inventions, to Lynne D. Anderson, Program Manager, Patent Office Liaison.

Date: April 6, 2004



Gerald Rosenthal
Vice President, Intellectual Property & Licensing
International Business Machines Corporation

ASSIGNMENT

Whereas, we

Inventor
and City

(1) **Arun Kwangil Iyengar**
County of Westchester

of Yorktown Heights
and State of New York

(2) **Erich M. Nahum**
County of New York

of New York
and State of New York

and (3) **Bianca Schroeder**
County of Allegheny

of Pittsburgh
and State of Pennsylvania

have invented certain improvements in

TITLE

METHOD AND APPARATUS FOR DYNAMICALLY SCHEDULING REQUESTS

described in United States patent application Serial No. 10/804,516, filed on March 19, 2004 and executed on

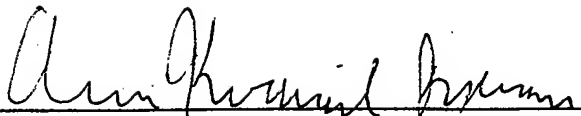
DATE THAT
INVENTORS
SIGNED THE
DECLARATION

(1) 4/13 | 2004 (2) 4/13 | 2004 and (3) _____ 2004.


Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, Armonk, New York 10504, (hereinafter called IBM) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

CITY
DATE Signed
(1) at Hawthorne, NY
on 4/13 2004,

 SIGNATURE
(Arun Kwangil Iyengar) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY
DATE Signed
(2) at Hawthorne, NY
on 4/13 2004,

 SIGNATURE
(Erich M. Nahum) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and
DATE Signed
(3) at _____, NY
on _____ 2004,

(Bianca Schroeder) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560
(516) 759-2722

ASSIGNMENT

Whereas, we

Inventor
and City

(1) Arun Kwangil Iyengar
County of Westchester

of Yorktown Heights
and State of New York

(2) Erich M. Nahum
County of New York

of New York
and State of New York

and (3) Bianca Schroeder
County of Allegheny

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have invented certain improvements in

TITLE

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described in United States patent application Serial No. 10/804,516, filed on March 19, 2004 and executed on


DATE THAT (1) _____ 2004 (2) _____ 2004 and (3) 4/14/ 2004.
INVENTORS
SIGNED THE
DECLARATION

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, Armonk, New York 10504, (hereinafter called IBM) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

CITY Signed
DATE (1) at , NY _____ SIGNATURE
 on 2004, (Arun Kwangil Iyengar) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

CITY Signed
DATE (2) at , NY _____ SIGNATURE
 on 2004, (Erich M. Nahum) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

CITY and Signed
DATE (3) at Pittsburg, PA NY  _____ SIGNATURE
 on 4/14/ 2004, (Bianca Schroeder) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560
(516) 759-2722

ASSIGNMENT

Whereas, we

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and City

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County of Westchester

of Yorktown Heights
and State of New York

(2) **Erich M. Nahum**
County of New York

of New York
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(3) **Bianca Schroeder**
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have invented certain improvements in

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described in United States patent application Serial No. 10/804,516, filed on March 19, 2004 and executed on

DATE THAT INVENTORS SIGNED THE DECLARATION (1) 2/4/ 2005 (2) _____ 2005 (3) _____ 2005
and (4) _____ 2005.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, Armonk, New York 10504, (hereinafter called IBM) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

CITY
DATE

Signed
(1) at Hawthorne, NY
on 2/4 2005,

Arun Kwangil Iyengar SIGNATURE
(Arun Kwangil Iyengar) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY
DATE

Signed
(2) at _____, NY
on _____ 2005,

(Erich M. Nahum) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY
DATE

Signed
(3) at _____, NY
on _____ 2005,

(Bianca Schroeder) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and
DATE

Signed
(4) at _____, NY
on _____ 2005,

(Mor Harchol-Balter) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

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CITY _____ Signed
DATE _____ (1) at _____, NY _____ SIGNATURE
on _____ 2005, (Arun Kwangil Iyengar) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY _____ Signed
DATE _____ (2) at Manhasset, NY Erich M. Nahum SIGNATURE
on 2/9 2005, (Erich M. Nahum) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY _____ Signed
DATE _____ (3) at _____, NY _____ SIGNATURE
on _____ 2005, (Bianca Schroeder) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and _____ Signed
DATE _____ (4) at _____, NY _____ SIGNATURE
on _____ 2005, (Mor Harchol-Balter) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

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CITY _____ Signed
DATE _____ (1) at _____, NY _____ SIGNATURE
on _____ 2005, _____
(Arun Kwangil Iyengar) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY _____ Signed
DATE _____ (2) at _____, NY _____ SIGNATURE
on _____ 2005, _____
(Erich M. Nahum) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY _____ Signed
DATE _____ (3) at _____, NY _____ SIGNATURE
on _____ 2005, _____
(Bianca Schroeder) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and _____ Signed
DATE _____ (4) at _____, NY _____ SIGNATURE
on _____ 2005, _____
(Mor Harchol-Balter) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

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and City

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and State of New York

(2) **Erich M. Nahum**
County of New York

of New York
and State of New York

(3) **Bianca Schroeder**
County of Allegheny

of Pittsburgh
and State of Pennsylvania

and (4) **Mor Harchol-Balter**
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have invented certain improvements in

TITLE METHOD AND APPARATUS FOR DYNAMICALLY SCHEDULING REQUESTS

described in United States patent application Serial No. 10/804,516, filed on March 19, 2004 and executed on

DATE THAT INVENTORS SIGNED THE DECLARATION (1) _____ 2005 (2) _____ 2005 (3) _____ 2005
and (4) February 16, 2005.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, Armonk, New York 10504, (hereinafter called IBM) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

CITY _____ Signed
DATE _____ (1) at _____, NY _____ SIGNATURE
on _____ 2005, _____
(Arun Kwangil Iyengar) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY _____ Signed
DATE _____ (2) at _____, NY _____ SIGNATURE
on _____ 2005, _____
(Erich M. Nahum) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY _____ Signed
DATE _____ (3) at _____, NY _____ SIGNATURE
on _____ 2005, _____
(Bianca Schroeder) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and _____ Signed
DATE _____ (4) at _____, NY _____ SIGNATURE
on 2/16/ 2005, Mor Harchol-Balter _____
(Mor Harchol-Balter) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560
(516) 759-2722

Attachment C

Amended Declaration and Power of Attorney

**DECLARATION**

AS A BELOW NAMED INVENTOR, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole (*if only one name is listed below*), or an original, first and joint inventor (*if plural names are listed below*), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE: METHOD AND APPARATUS FOR DYNAMICALLY SCHEDULING REQUESTS

the specification of which is attached hereto or indicates an attorney docket no. YOR920040025US1, or:

☒ was filed in the U.S. Patent & Trademark Office on March 19, 2004 and assigned Serial No. 10/804,516,

☐ and (*if applicable*) was amended on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability and to the examination of this application in accordance with Title 37, Code of Federal Regulations §1.56. I hereby claim foreign priority benefits under Title 35, U.S. Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States, or §119(e) of any United States provisional application(s), listed below and have also identified below any foreign applications for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Priority Claimed:

Yes [] No []

(Application Number) (Country) (Day/Month/Year filed)

Yes [] No []

(Application Number) (Country) (Day/Month/Year filed)

I hereby claim the benefit under Title 35, U.S. Code §120, of any United States application(s), or §365(c), of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International applications(s) in the manner provided by the first paragraph of Title 35, U.S. Code §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial Number) (Filing Date) (STATUS: patented, pending, abandoned)

(Application Serial Number) (Filing Date) (STATUS: patented, pending, abandoned)

I hereby appoint Practitioners associated with Customer No.:

48063

to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

William E. Lewis
RYAN, MASON & LEWIS, LLP
90 Forest Avenue
Locust Valley, NY 11560
Tel.: (516) 759-2946

I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE INVENTOR: Arun Kwangil Iyengar Citizenship U.S.A.

Inventor's signature: *Arun Kwangil Iyengar* Date: 2/9/2005
Residence & Post Office address: 1160 Park Lane
Yorktown Heights, NY 10598

FULL NAME OF SECOND JOINT INVENTOR: Erich M. Nahum Citizenship U.S.A.

Inventor's signature: _____ Date: _____
Residence & Post Office address: 215 West 84th Street, #406
New York, NY 10024

FULL NAME OF THIRD JOINT INVENTOR: Bianca Schroeder Citizenship Germany

Inventor's signature: _____ Date: _____
Residence & Post Office address: 704 S. Negley Avenue, Apt. #8
Pittsburgh, PA 15232

FULL NAME OF FOURTH JOINT INVENTOR: Mor Harchol-Balter Citizenship U.S.A.

Inventor's signature: _____ Date: _____
Residence & Post Office address: 5801 Northumberland Street
Pittsburgh, PA 15217

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Inventor's signature: _____ Date: _____

Residence & Post Office address: 1160 Park Lane
Yorktown Heights, NY 10598

FULL NAME OF SECOND JOINT INVENTOR: Erich M. Nahum Citizenship U.S.A.

Inventor's signature:  Date: 2/9/05

Residence & Post Office address: 215 West 84th Street, #406
New York, NY 10024

FULL NAME OF THIRD JOINT INVENTOR: Bianca Schroeder Citizenship Germany

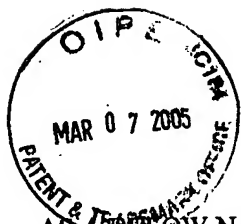
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Pittsburgh, PA 15232

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New York, NY 10024

FULL NAME OF THIRD JOINT INVENTOR: Bianca Schroeder Citizenship Germany

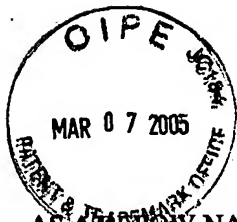
Inventor's signature:  Date: 2/22/2005

Residence & Post Office address: 704 S. Negley Avenue, Apt. #8
Pittsburgh, PA 15232

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Residence & Post Office address: 5801 Northumberland Street
Pittsburgh, PA 15217

**DECLARATION**AS A **BELOW** NAMED INVENTOR, I hereby declare that:

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Pittsburgh, PA 15232

FULL NAME OF FOURTH JOINT INVENTOR: Mor Harchol-Balter Citizenship U.S.A.

Inventor's signature: Mor Harchol-Balter Date: Feb 16, 2005

Residence & Post Office address: 5801 Northumberland Street
Pittsburgh, PA 15217